CONTENTS

CHAPTER 1	Before Portner: A brief history of the Alexandria brewing industry	. 1
	A short account and list of Alexandria's breweries and their owners and proprietors, 1770-1916	
CHAPTER 2	The brewing process in brief	9
	The brewing process as practiced in America prior to the Civil War	
CHAPTER 3	The early life of Robert Portner, 1837-1860	۱7
	Robert Portner's family, education, emigration, and early employment in America	
CHAPTER 4	John Barleycorn goes to war, 1861-1865	22
	The outbreak of the Civil War; Robert Portner comes to Alexandria and establishes a grocery and brewery; Alexandria prohibition and Portner jailed; the war's end and dissolution of the brewery partnership; Civil War-era beer production figures for Alexandria	
CHAPTER 5	The Robert Portner Brewery: The first decade, 1865-1875	12
	Portner's politics and city council service; near business failure; description of his earliest brewery and cellars; Portner's brothers; Portner & Winterroll; early brewmasters; construction of the Saint Asaph Street brewhouse; the brewery employees, 1865-1882	
CHAPTER 6 Alexandria and	Summer gardens and singing clubs: German cultural life in the role of Robert Portner	51
	Early German immigrants to Alexandria and their occupations and contributions; Germans and slavery and secession; Germans in the brewing industry; German religious, cultural and social institutions; saloons and summer gardens; Portner's Garden; German self-help efforts and Alexandria's German Banking Company and German Co-operative Building Association	
CHAPTER 7 the postwar era	Fire and ice: President Portner and technological innovation in	33
_	The introduction of steam brewing, electricity and refrigeration; Portner's air-conditioning, ice-making, beer cooling and pasteurization innovations and patents; the Brewers' Refrigerating Machine Company and litigation; Portner's membership in and presidency of the United States Brewers Association; bottling; Robert Portner Brewing Company technology timeline	
CHAPTER 8	Market and production expansion, 1875-1903)9
	The development and challenges of industry in Alexandria; the development of the brewing industry in the United States; expansion of the Portner brewery's market into Washington, Norfolk, elsewhere in Virginia, North Carolina, South Carolina, Georgia, Maryland, and the Caribbean; company incorporation and officers; Albert	

	Carry and the National Capital Brewing Company; lists of brewery branches and agents; annual production figures, 1862-1903	
CHAPTER 9	Expansion of the physical plant, 1875-1906	. 122
	Increase in the brewery's labor force; expansion of the brewery and construction of facilities; the 1894 brewhouse and 1901 ice plant; relative size of Portner's firm; the acquisition of properties in Alexandria	
CHAPTER 10	Company management, 1883-1906	. 141
	Company directors, company officers, brewmasters and depot managers	
CHAPTER 11 and the materia	Point of sale: Product, price, packaging and promotion, saloons al culture of the brewery	. 154
	Saloons and breweries; the relationship of Portner brewery with saloons; Portner company branding and advertising; types and sources of ingredients for Portner's beers; Portner beer varieties and brands, sodas and malt extract; beer prices; bottles and bottling	
CHAPTER 12	Diversification	. 182
	The German Co-operative Building Association and the German Banking Company; the Alexandria Marine Railway and Shipbuilding Company and the schooner <i>Robert Portner</i> ; railroads and banking; real estate and construction; the Portner Brownstone Company; the Capital Construction Company and the Portner Flats; the Manassas Hotel; the Munsey Building and the Height of Buildings Act	
CHAPTER 13	Robert Portner, solid citizen: Home, family, travel and philanthropy	. 199
	Portner's community activism; marriage and family; homes in Washington, D.C. and Manassas, Virginia; travels and chronic illness; Portner's death, bequests and donations	
CHAPTER 14	The next generation: Growing pains, labor pains	. 214
	Company management after Robert Portner's death; reorganization of the market area; soda and low-alcohol beer production; Edward Portner's Magnetic Pigment Company factory; physical changes to the brewery; 1912 bottling house; workers and working conditions for brewery industry employees and those of the Portner company; brewery accidents; union organization and strikes	
CHAPTER 15	The Cold Water Army: Temperance and Prohibition	. 236
	Early attempts at alcohol regulation in America; the post-Civil War temperance movement; troubles in South Carolina, North Carolina and Georgia; "Sunday laws" and "local option" in Virginia; the Byrd Act; reactions of brewers and of the Robert Portner Brewing Company to prohibition efforts; the Mapp Act and Prohibition in Virginia; the closing of the brewery and its consequences; the Robert Portner Corporation and the Virginia Feed and Milling Corporation; the fading of the Portner business and land interests	
CHAPTER 16	After Prohibition	. 266
	"Repeal"; discussion of re-opening the brewery; reuse of the former brewery buildings; Robert Portner's legacy in the physical environment	

	Archaeological investigation of the Robert Portner any site	272
	Redevelopment of the brewery block; discovery of evidence of the 1908 ink factory; unearthing the beer cellar, wells and water storage features, and footings and foundations	
APPENDIX A	A partial list of Robert Portner Brewing Company employees	281
APPENDIX B	Archaeological report (44AX196)	294
BIBLIOGRAPI	НҮ	337